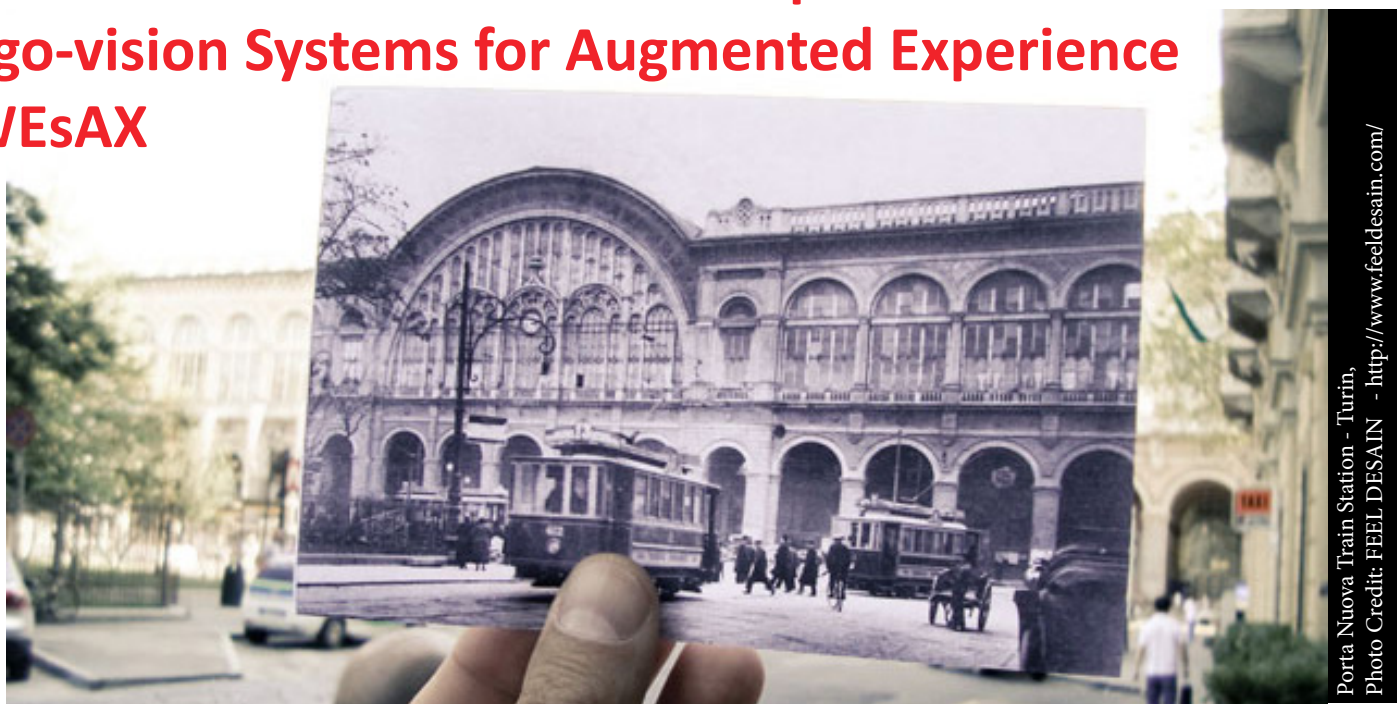
The first International Workshop on Wearable and Ego-vision Systems for Augmented Experience WEsAX



in conjunction with ICME 2015 - Turin, Italy - July 3, 2015

The rapid progress in the development of systems based on wearable cameras, multi-sensor wearable devices and embedded computers have created the conditions to use multimedia and computer vision technologies to augment human experience in everyday life activities such as sport, education, social interactions, cultural heritage visits, etc.
Wearable systems can be exploited for collecting and analyzing in real-time multimedia data (e.g. video, audio and multi sensor responses); wearable cameras can be enriched with egocentric vision (or ego-vision) to automatically understand gestures, actions, social interactions, object and events regarding the surrounding world. These systems can enhance our capabilities and augment our perception to create a high customizable and personal way of seeing the world. We believe that we are only at the beginning and that these technologies and their applications can have a great impact in future creative industries and can improve the quality of life.

The goal of this workshop is to give an overview of the recent technologies and system solutions, create a forum to exchange ideas and address challenges emerging in this field.

Submissions are expected to deal with multimedia and to explore the human-centric perspective including, but not limited to:

- Computer vision techniques from wearable cameras
- Object detection, recognition and tracking from wearable devices
- Action/Activity recognition or monitoring from wearable cameras
- Mobile/Head-mounted eye tracking
- Social understanding from egocentric perspective
- Human visual behaviour modelling
- Multi-sensor wearable devices
- Wearable data processing
- Place recognition using wearable cameras
- Application in healthcare, cultural heritage, edutainment and sport
- Localization, visual SLAM and navigation system
- Visual odometry from wearable cameras
- Scene analysis from RGB and RGB-d wearable cameras
- Life-logging and video summarization
- Benchmarking and quantitative evaluation

http://imagelab.ing.unimore.it/WEsAX/

Important Dates:

Submission Deadline: March 30, 2015
Notification of acceptance: April 30, 2015
Camera ready version: May 15, 2015

Org. Committe

Giuseppe Serra, Univ. Modena (IT)
Rita Cucchiara, Univ. Modena (IT)
Kris M. Kitani, CMU (USA)
Javier Civera, Univ. of Zaragoza, (ES)

Prog. Committee

Stefano Alletto, Univ. Modena (IT)
Lamberto Ballan, Stanford Univ. (USA)
Luca Benini, Univ. Bologna (IT)
Jenny Benois-Pineau, Univ. Bordeaux (FR)
Alejandro Betancourt, Univ. of Genova (IT)
Andreas Bulling, Max Planck Institute (DE)
Stefan Carlsson, KTH (SE)
David J. Crandall, Indiana University (USA)
Dima Damen, University of Bristol, (UK)
Alberto Del Bimbo, University Florence (IT)
Giovanni Maria Farinella, Univ. of Catania (IT)
Alireza Fathi, Apple (USA)
Kristen Grauman, Univ. Texas Austin (USA)
Jochen Huber, Singapore Unv. of Design (SGP)
Yong Jae Lee, Berkeley University (USA)
Yin Li, Georgia Instit. of Technology, USA
Walterio Mayol-Cuevas, Univ. Bristol (UK)
Ana C. Murillo, Univ. Zaragoza (SP)
Shmuel Peleg, Hebrew Univ. Jerusalem (IL)
Hyun Soo Park, Univ. Pennsylvania (USA)
Elisa Ricci, FBK (IT)
Michael S. Ryoo, NASA-JPL (USA)
Yoichi Sato, University of Tokyo (JP)
Bernt Schiele, Max Planck Institut (DE)
Nicu Sebe, University of Trento (IT)
Lorenzo Seidenari, University of Florence (IT)
Cheston Tan, Instit. Infocomm Research (SGP)